

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
23 June 2005 (23.06.2005)

PCT

(10) International Publication Number
WO 2005/056705 A1

(51) International Patent Classification⁷: C09D 175/04,
7/12

(21) International Application Number:
PCT/JP2004/018955

(22) International Filing Date:
10 December 2004 (10.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2003-414369 12 December 2003 (12.12.2003) JP

(71) Applicants (*for all designated States except US*): SANYO
CHEMICAL INDUSTRIES, LTD. [JP/JP]; 11-1, Ikkyo
Nomotocho, Higashiyama-ku, Kyoto-shi, Kyoto 6050995
(JP). TOYOTA JIDOSHA KABUSHIKI KAISHA
[JP/JP]; 1, Toyota-cho, Toyota-shi, Aichi 4718571 (JP).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): SHINDO, Yasuhiro
[JP/JP]; c/o Sanyo Chemical Industries, Ltd., 11-1, Ikkyo
Nomotocho, Higashiyama-ku, Kyoto-shi, Kyoto 6050995
(JP). FURUTA, Takeshi [JP/JP]; c/o Sanyo Chemical
Industries, Ltd., 11-1, Ikkyo Nomotocho, Higashiyama-ku,
Kyoto-shi, Kyoto 6050995 (JP). YAMAMOTO, Yusuke
[JP/JP]; c/o Sanyo Chemical Industries, Ltd., 11-1, Ikkyo
Nomotocho, Higashiyama-ku, Kyoto-shi, Kyoto 6050995
(JP). KUWANO, Kazuyuki [JP/JP]; c/o Toyota Jidosha
Kabushiki Kaisha, 1, Toyota-cho, Toyota-shi, Aichi
4718571 (JP). NARITA, Yoshinori [JP/JP]; c/o Toyota Ji-
dosha Kabushiki Kaisha, 1, Toyota-cho, Toyota-shi, Aichi

4718571 (JP). TACHI, Kazuyuki [JP/JP]; c/o Kabushiki
Kaisha Toyota Chuo Kenkyusho, 41-1, Aza Yokomichi,
Oaza Nagakute, Nagakute-cho, Aichi-gun, Aichi 4801192
(JP).

(74) Agent: FURUTANI, Shinya; Furutani Naigai Tokkyo
Jimusho, 1-27, Dojima 2-chome, Kita-ku, Osaka-shi,
Osaka 5300003 (JP).

(81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

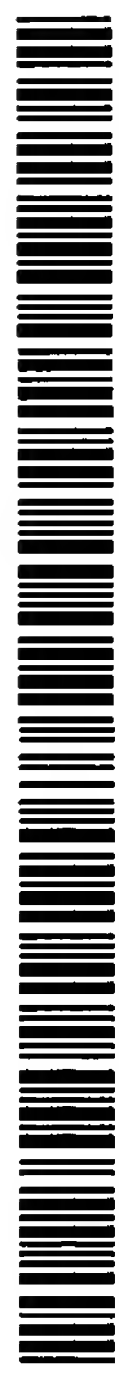
Published:

— with international search report

*For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: WATER-DISPERSED SLURRY COATING

(57) Abstract: This invention relates to a water-dispersed slurry coating which can provide a film excellent in water resistance and strength. The water-dispersed slurry coating comprises : (A) a particulate comprising (a1) a resin having an active hydrogen ; and (B) a reactive surfactant comprising a hydrophilic moiety and a hydrophobic moiety having an aromatic ring-containing hydrocarbon group having 6 to 100 carbon atoms and having at least one group selected from the group consisting of an isocyanate group, a blocked isocyanate group and an epoxy group in the hydrophilic moiety, and having an oxyethylene group in a content of not less than 20 % and not more than 97 % by weight ; and (a2) a curing agent according to need, in aqueous medium.



WO 2005/056705 A1